

### **Amendments to the Claims**

This listing of claims will replace all prior versions, or listings, of claims in this application.

1-47. (Cancelled)

48. (New) A method for stabilizing a hydrolysis sensitive active compound in a water-based paint comprising:

admixing the active compound with a binder selected from the group consisting of alkyd resins, acrylate dispersions or combinations thereof in an aqueous solution to form an aqueous mixture; and

contacting a paint with the aqueous mixture.

49. (New) The method of Claim 48, wherein the active compound comprises a compound having a functional group of formula (I):



wherein X is selected from fluorine, chlorine and  $CHCl_2$ .

50. (New) The method of Claim 48, wherein the active compound is selected from the group consisting of trihalogenomethylthio compounds, folpet, captan, captafol, dichlorofluanid, tolylfluanid, fluorfolpet and combinations thereof.

51. (New) The method of Claim 48, wherein the binder is selected from alkyd resins based on vegetable oils, alkyd anhydride, maleic anhydride, alkyd/maleic anhydride copolymers, alkyd modified linseed oil, alkyd resins, and an acrylate dispersion in combination with alkyd resins, soya oil, linseed oil or combinations thereof.

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52. (New) The method of Claim 48, wherein the active compound is 0.001 to 90% by weight of the aqueous solution.

53. (New) The method of Claim 48, wherein the binder is 3 to 80% by weight of the aqueous solution.

54. (New) The method of Claim 48, wherein the paint is selected from emulsion paints, antifouling paints, varnishes and primers.

55. (New) The method of Claim 48, wherein the pH of the aqueous solution is less than or equal to 7.

56. (New) The method of Claim 48, wherein the active compound is active for greater than 6 months.

57. (New) A fungicide containing water-based paint comprising:  
an active compound selected from trihalogenomethylthio compounds, folpet, captan, captafol, dichlorofluanid, tolylfluanid, fluorfolpet and combinations thereof;  
a binder selected from alkyd resins based on vegetable oils, alkyd anhydride, maleic anhydride, alkyd/maleic anhydride copolymers, alkyd modified linseed oil, alkyd resins, and an acrylate dispersion in combination with alkyd resins, soya oil, linseed oil or a combination thereof; and  
a paint in an aqueous solution.

58. (New) The fungicide of Claim 57, wherein the paint or wood preservative is selected from emulsion paints, antifouling paints, varnishes and primers.

59. (New) The fungicide of Claim 57, wherein the pH of the aqueous solution is less than or equal to 7.

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60. (New) The fungicide of Claim 57, wherein the active compound is 0.001 to 90% by weight of the aqueous solution.

61. (New) The fungicide of Claim 57, wherein the binder is 3 to 80% by weight of the aqueous solution.

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